Title: METHOD FOR EXTRACTING DATA FROM A RELATIONAL DATABASE USING A REDUCED QUERY
Inventor(s): Kumar et al.
Docket No.: IMRS-367

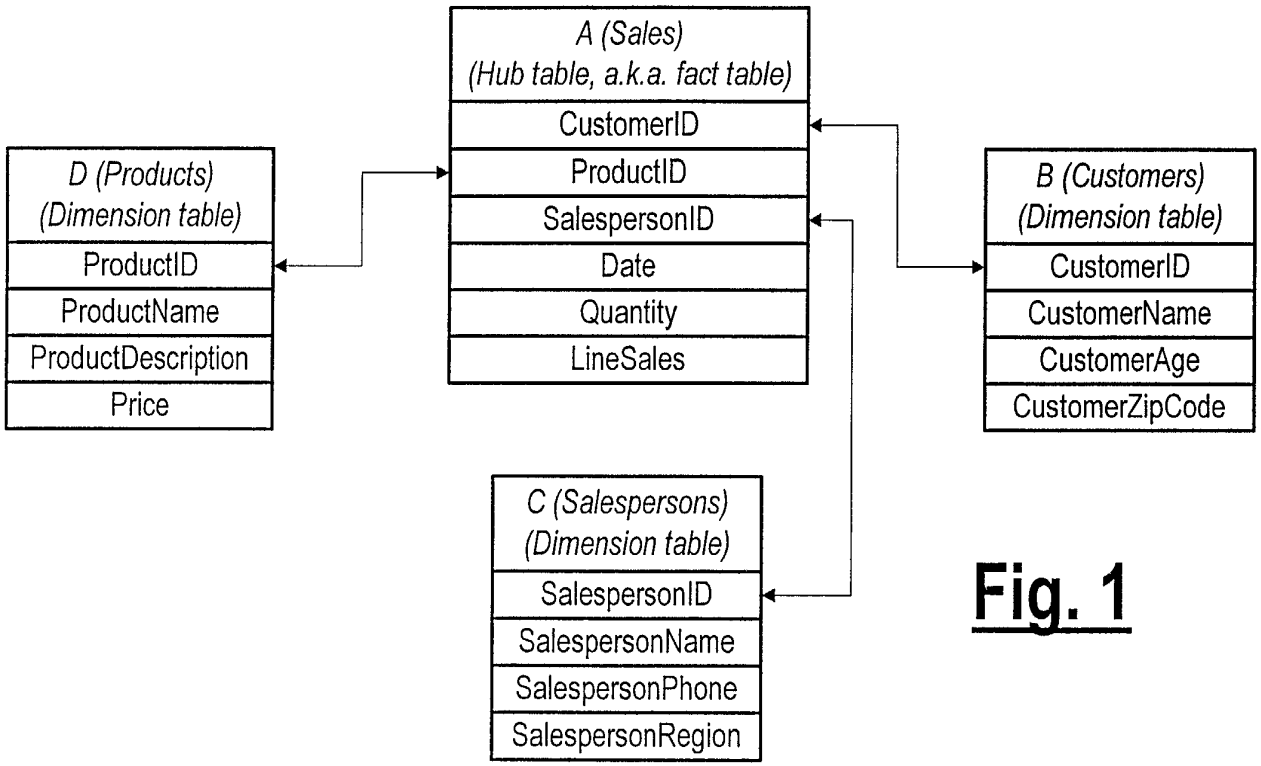

Fig. 1

CustomerName	SalespersonName	ProductName	sum(Sales)f

Fig. 2

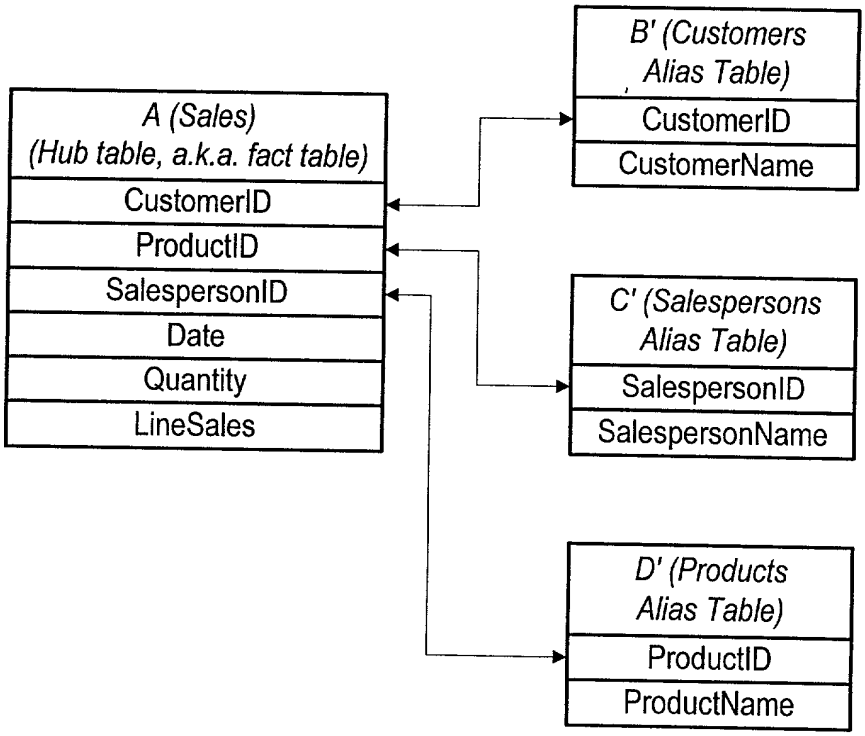
A (Sales)
(Hub table, a.k.a. fact table)
CustomerID
ProductID
SalespersonID
Date
Quantity
LineSales
B' (Customers Alias Table)
CustomerID
CustomerName
C' (Salespersons Alias Table)
SalespersonID
SalespersonName
D' (Products Alias Table)
ProductID
ProductName

Fig. 3

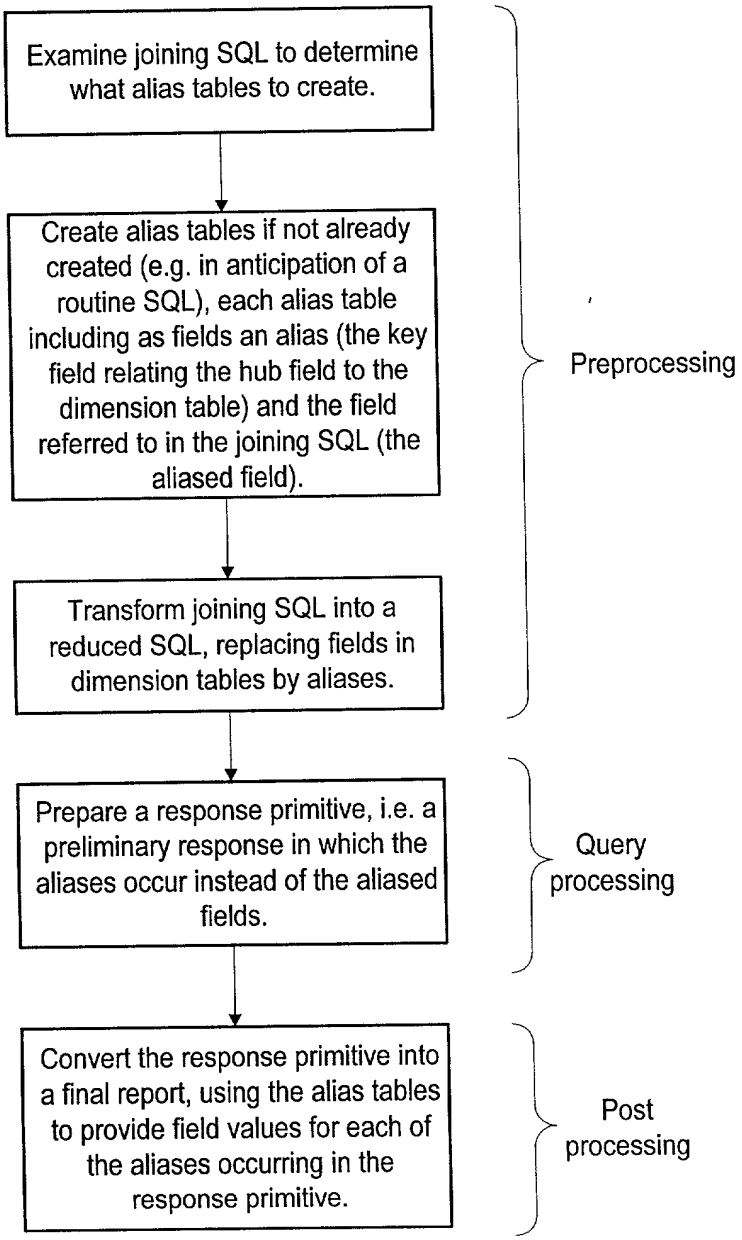

Fig. 4

Document 1 of 1

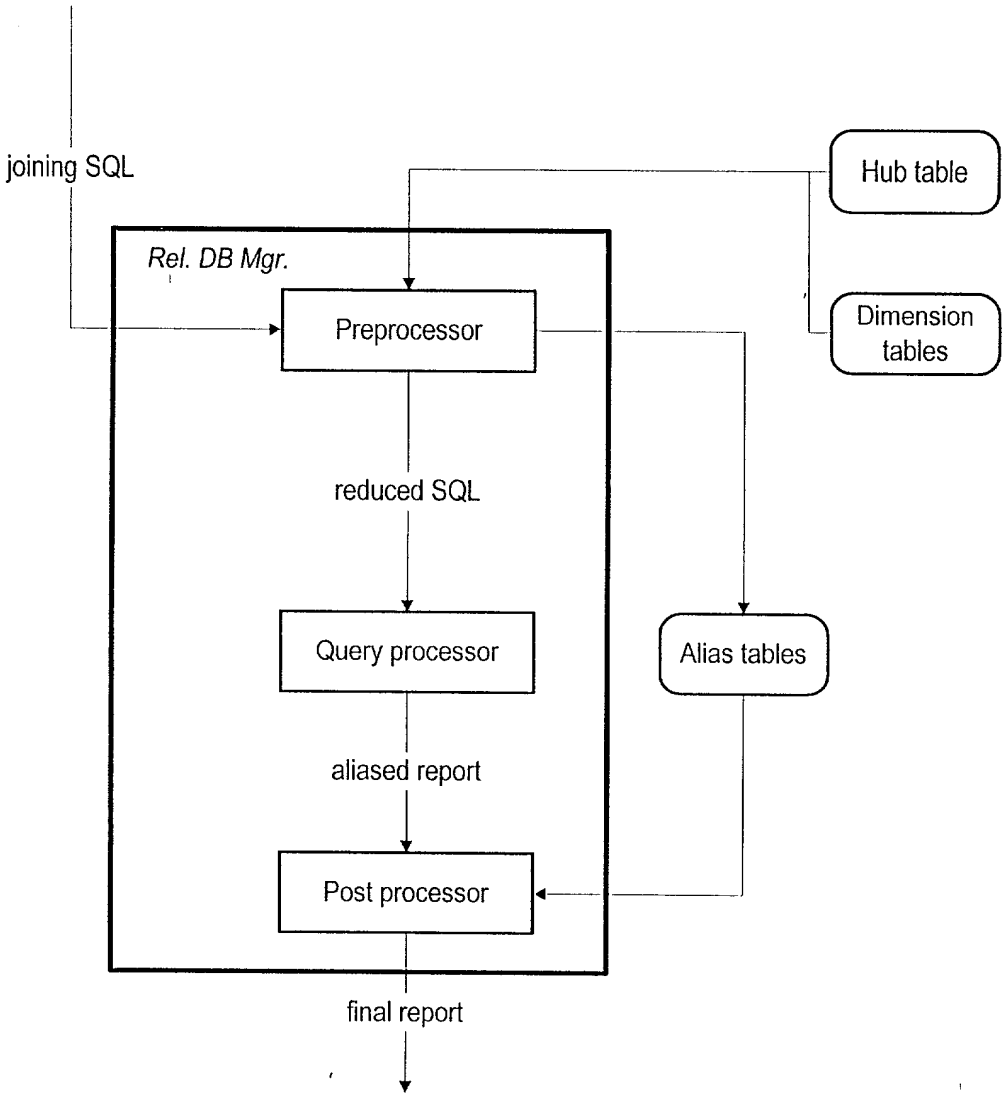
joining SQL
Hub table
Rel. DB Mgr.
Preprocessor
Dimension tables
reduced SQL
Query processor
Alias tables
aliased report
Post processor
final report

Fig. 5

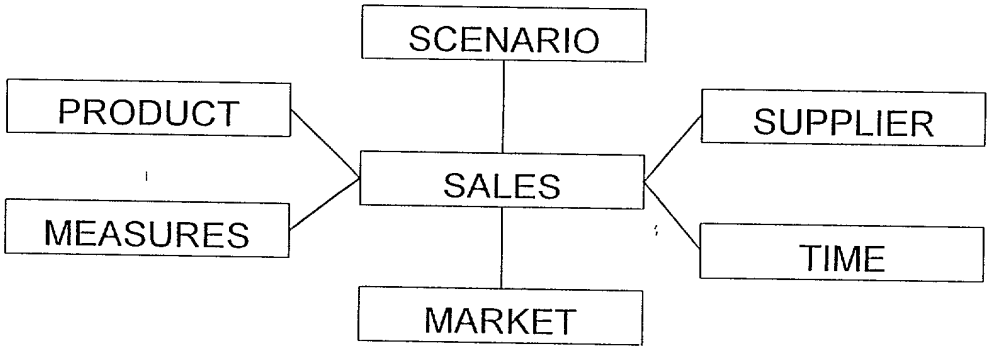
SCENARIO
PRODUCT
SUPPLIER
SALES
MEASURES
TIME
MARKET

Fig. 6

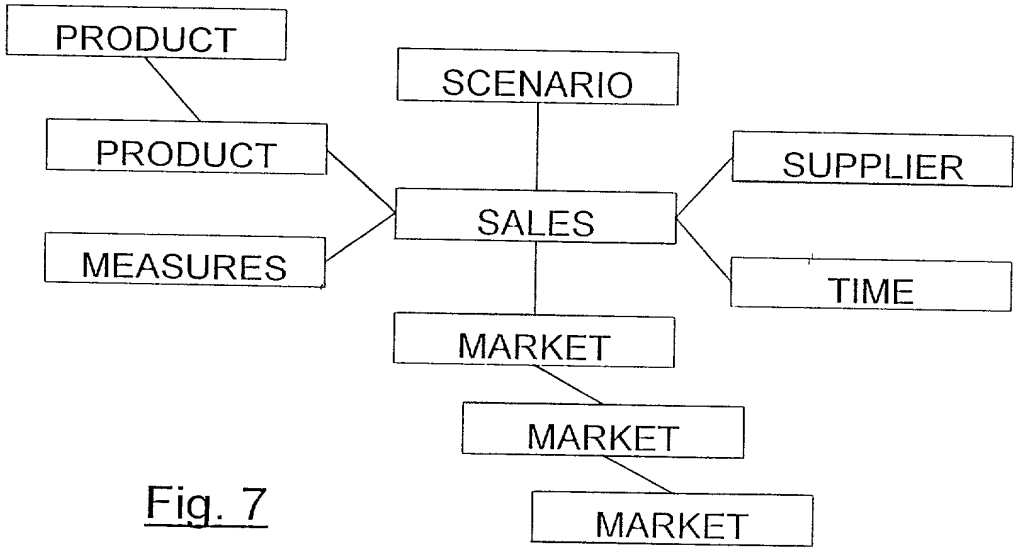
PRODUCT
SCENARIO
PRODUCT
SUPPLIER
SALES
MEASURES
TIME
MARKET
MARKET
MARKET

Fig. 7